Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1   1. (previously presented) An interface method for viewing and selecting
2   among a variety of currently available commercial broadcasts comprising the
3   steps of:
4   determining an association of each said commercial broadcast
5   with a program category of a plurality of program categories; and
6   within a single viewing screen, simultaneously presenting video
7   broadcast information directly from full-scale video information for each of said
8   commercial broadcasts, including:
9   (1) generating reduced-scale presentations of each of said
10   commercial broadcasts, including locally originating said reduced-scale
11   presentations from said full-scale video information for exclusive display on
12   said viewing screen; and
13   (2) dynamically clustering said reduced-scale presentations in
14   correspondence with said program categories, including displaying a plurality
15   of clusters of said reduced-scale presentations in which each said cluster
16   includes said reduced-scale presentations for all of said commercial
17   broadcasts associated with said program category that corresponds to said
18   cluster;
19   thereby utilizing said viewing screen to display each said cluster
20   as a totality of said commercial broadcasts that are currently available within
21   said program category that corresponds to said cluster.

1   2. (original) The interface method of claim 1 wherein said step of dynamically
2   clustering includes varying a number of said reduced-scale presentations in
3   said clusters as a function of changes in said commercial broadcasts.

1   3. (previously presented) The interface method of claim 2 wherein said
2   commercial broadcasts are television broadcasts carried via television
3   channels, said step of determining said association for each said commercial
4   broadcast including monitoring reception of said television channels at a
5   location of said viewing screen to detect tag information that is specific to
6   current programs available via said television channels.

1   4. (original) The interface method of claim 1 further comprising a step of
2   enabling a user to initiate a genre-dividing mode in which at least one said
3   cluster is split into separate sub-clusters on a basis of genres.

1   5. (original) The interface method of claim 4 wherein said step of enabling
2   said user includes providing cluster splitting into said sub-clusters on the basis
3   of different sports and on the basis of different movie genres.

1   6. (original) The interface method of claim 1 wherein said step of presenting
2   said video broadcast information includes overlapping said reduced-scale
3   presentations within at least one said cluster, said interface method further
4   comprising steps of:
5   (1) enabling a user to select which said reduced-scale
6   presentation in said at least one cluster has the appearance of being the
7   foremost reduced-scale presentation; and
8   (2) enabling said user to select any said reduced-scale
9   presentation in any said cluster for viewing in a full-screen mode of operation.

1   7. (original) The interface method of claim 6 further comprising steps of:
2   maintaining historical information regarding user selections; and
3   arranging said clusters and arranging said reduced-scale
4   presentations within said clusters as a function of said historical information.

1   8. (cancelled)

1   9. (previously presented) The interface method of claim 1 wherein said step
2   of generating said reduced-scale presentations includes displaying incoming
3   television programs in real time, such that said reduced-scale presentations in
4   each said cluster are miniaturized displays which are in constant
5   synchronization with said television programs.

1   10. (cancelled)

1   11. (currently amended) An interface method for viewing and selecting
2   among a variety of television channels comprising the steps of:
3   receiving program transmissions at a particular site via said
4   television channels, each said program transmission being defined by video
5   signals currently available via a particular associated one of said television
6   channels;
7   recurringly identifying a program category for each said
8   television channel on a basis of a currently available program being broadcast
9   via variety of said television channels, channel, said identifying occurring at
10   said particular site;
11   originating reduced-scale presentations of each said currently
12   available program from said video signals received via said television
13   channels so as to enable viewing of said currently available programs,
14   program, said reduced-scale presentations being a manipulation of said video
15   signals that is original to said particular site;
16   displaying each said presentation on a single screen at said
17   particular site, including grouping said presentations on a basis of said
18   program categories, thereby displaying a number of groups that corresponds
19   to the number of program categories, with each well populated group having
20   overlapping presentations;
21   enabling a viewer to remotely control browsing through said
22   groups and browsing among said presentations within a specific group; and
23   enabling said viewer to select a particular said presentation for
24   full-screen viewing of the program from which said particular presentation was
25   originated, wherein each selection for said full-screen viewing is exclusive to
26   said single screen.

1   12. (original) The interface method of claim 11 further comprising a step of
2   arranging said groups and said presentations within said groups as a function
3   of historical information that is representative of prior selections by said
4   viewer.

1   13. (original) The interface method of claim 11 further comprising a step of
2   enabling said viewer to selectively increase or decrease said number of
3   groups by increasing or decreasing said number of program categories.

1   14. (original) The interface method of claim 13 wherein said step of enabling
2   increases includes providing cluster splitting according to genres and includes
3   merging previously split clusters.

1   15. (currently amended) A system for viewing and selecting among a variety
2   of currently available commercial broadcasts comprising:
3   a detector configured to identify each said commercial broadcast
4   with a program category of a plurality of program categories;
5   a video processor connected to receive said commercial
6   broadcasts and configured to output reduced-scale presentations of said
7   commercial broadcasts ~~from said variety of commercial broadcasts~~, said
8   reduced-scale presentations being continuously updated video broadcast
9   information; and
10   a viewing screen cooperative with said detector and said video
11   processor to display said reduced-scale presentations in clusters that have a
12   one-to-one correspondence with said program categories, with all of said
13   commercial broadcasts that are identified with one of said program categories
14   being simultaneously displayed, said video processor and said viewing screen
15   being operatively associated such that said reduced-scale presentations are
16   available exclusively for said viewing screen.

1   16. (cancelled)

1   17. (previously presented) The system of claim 15 wherein said video
2   processor is configured to continuously update said video broadcast
3   information relevant to each said reduced-scale presentation, such that said
4   reduced-scale presentations are ongoing displays of said commercial
5   broadcasts in real time.

1   18. (cancelled)

1   19. (original) The system of claim 15 further comprising memory connected
2   to store historical information indicative of selections of said commercial
3   broadcasts by a viewer, said memory being accessed by said video processor
4   to control arrangement of said clusters and said reduced-scale presentations
5   within said clusters as a function of said historical information.

1   20. (previously presented)   The interface method of claim 11 wherein said
2   originating is a miniaturization of each said currently available program, such
3   that said displaying enables continuous viewing of said program
4   transmissions but at a miniaturized level.

1   21. (previously presented) An interface method for viewing and selecting
2   among a variety of currently available commercial broadcasts comprising the
3   steps of:
4   determining an association of each said commercial broadcast
5   with a program category of a plurality of program categories; and
6   within a single viewing screen, simultaneously presenting video
7   broadcast information directly from each of said commercial broadcasts,
8   including:
9   (1) generating reduced-scale presentations of each of said
10   commercial broadcasts, said reduced-scale presentations being based on
11   said video broadcast information; and
12   (2) dynamically clustering said reduced-scale presentations in
13   correspondence with said program categories, including displaying a plurality
14   of clusters of said reduced-scale presentations in which each said cluster
15   includes said reduced-scale presentations for all of said commercial
16   broadcasts associated with said program category that corresponds to said
17   cluster;
18   thereby utilizing said viewing screen to display each said cluster
19   as a totality of said commercial broadcasts that are currently available within
20   said program category that corresponds to said cluster:
21   wherein said step of presenting said video broadcast information
22   includes overlapping said reduced-scale presentations within at least one said
23   cluster, said interface method further comprising steps of:
24   (a) enabling a user to select which said reduced-scale
25   presentation in said at least one cluster has the appearance of being the
26   foremost reduced-scale presentation;
27   (b) enabling said user to select any said reduced-scale
28   presentation in any said cluster for viewing in a full-screen mode of operation;
29   and
30   (c) cycling an arrangement of said overlapping reduced-scale
31   presentations in said at least one cluster such that each said overlapping
32   reduced-scale presentation is periodically said foremost reduced-scale
33   presentation.

1   22. (previously presented) A system for viewing and selecting among a

2   variety of currently available commercial broadcasts comprising:

3   a detector configured to identify each said commercial broadcast

4   with a program category;

5   a video processor connected to receive said commercial

6   broadcasts and configured to output reduced-scale presentations of said

7   commercial broadcasts, said reduced-scale presentations being video

8   broadcast information, said video processor being configured to continuously

9   update said video broadcast information relevant to each said reduced-scale

10   presentation;

11   a commercial filter enabled to detect commercials and to inhibit

12   said continuous updating during commercial times; and

13   a viewing screen cooperative with said detector and said video

14   processor to display said reduced-scale presentations in clusters that have a

15   one-to-one correspondence with said program categories, with all of said

16   commercial broadcasts that are identified with one of said program categories

17   being simultaneously displayed.

1   23. (new) An interface method for viewing and selecting among a variety of
2   currently available commercial broadcasts comprising the steps of:
3   determining an association of each said commercial broadcast
4   with a program category of a plurality of program categories; and
5   within a single viewing screen, simultaneously presenting video
6   broadcast information directly from full-scale video information for each of said
7   commercial broadcasts, including:
8   (1) generating reduced-scale presentations of each of said
9   commercial broadcasts, including locally originating said reduced-scale
10   presentations from said full-scale video information for exclusive display on
11   said viewing screen; and
12   (2) dynamically clustering said reduced-scale presentations in
13   correspondence with said program categories, including displaying a plurality
14   of clusters of said reduced-scale presentations in which each said cluster
15   includes said reduced-scale presentations for all of said commercial
16   broadcasts associated with said program category that corresponds to said
17   cluster;
18   thereby utilizing said viewing screen to display each said cluster
19   as a totality of said commercial broadcasts that are currently available within
20   said program category that corresponds to said cluster;
21   wherein said step of generating said reduced-scale
22   presentations includes:
23   (a) displaying incoming television programs in real time, such
24   that said reduced-scale presentations in each said cluster are miniaturized
25   displays which are in constant synchronization with said television programs;
26   and
27   (b) filtering television commercials, such that said reduced-
28   scale presentations are static during said television commercials.